## **ABSTRACT**

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[0042] A system and method for AAL5 enhanced encapsulation is disclosed. The method, comprises receiving an AAL5 CPCS-SDU at a router; encapsulating the AAL5 CPCS-SDU into an AAL5 enhanced packet at the router; generating an MPLS packet from the AAL5 enhanced packet, wherein the AAL5 enhanced packet comprises an ATM header; and routing the MPLS packet over an MPLS network.